

P24344.P01

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

| | | |
|--|-------------|-------------|
| Attorney Docket No. | P24344 | Total Pages |
| Inventor(s) or Application Identifier | Gyu Ha CHOE | |
| Title: SYSTEM SND METHOD FOR IMPLEMENTING VIRTUAL SOLAR CELL | | |

U.S. PTO
10/7/24616
120203

| | |
|-------------|--|
| ADDRESS TO: | Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450 |
|-------------|--|

| APPLICATION ELEMENTS | ACCOMPANYING APPLICATION PARTS |
|--|---|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing) | 9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) |
| 2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 25] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure | 10. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 10] | 11. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee) |
| 5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages 3] a. <input checked="" type="checkbox"/> Newly executed (original or copy) <input type="checkbox"/> Unexecuted b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below] i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). | 12. <input type="checkbox"/> English Translation Document (if applicable) |
| 6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. | 13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations |
| 7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | 14. <input type="checkbox"/> Preliminary Amendment |
| 8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix) | 15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) |
| | 16. <input checked="" type="checkbox"/> Figure of Drawing to be published 2 |
| | 17. <input checked="" type="checkbox"/> Foreign priority claimed a. <input checked="" type="checkbox"/> Claim of Priority b. <input type="checkbox"/> Certified Copy of Priority Document(s) |
| | 18. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b) (2) (B) (i). Applicant must attach form PTO/SB/35 or its equivalent. |
| | 19. <input checked="" type="checkbox"/> Assignee: KONKUK UNIVERSITY of Seoul, Republic of Korea |
| | 20. <input checked="" type="checkbox"/> Other: Cover Letter Regarding Executed Application |
| 21. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 C.F.R. 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No. / filed Prior application information: Examiner: _____ Group Art Unit: _____ | |

Address all future correspondence to Customer No. 7055 at the present address of:

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1950 Roland Clarke Place
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12/2/03
Date


Signature
33,329

Bruce H. Bernstein, Reg. No. 29,027
Typed or Printed Name

The PTO did not receive the following
listed item(s) 1 page of Drawing



FEE TRANSMITTAL

TOTAL AMOUNT OF PAYMENT (\$ 425.00)

Complete if Known

| | |
|----------------------|-----------------------|
| Application Number | Not Yet Assigned |
| Filing Date | Concurrently Herewith |
| First Named Inventor | Gyu Ha CHOE |
| Group Art Unit | Unassigned |
| Examiner Name | Unassigned |

Attorney Docket Number P24344

METHOD OF PAYMENT (check one)

FEE CALCULATION (continued)

1. The U.S Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0089

Deposit Account Name GREENBLUM & BERNSTEIN, P.L.C.

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3)) Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b) Applicant Claims Small Entity Status See 37 CFR 1.27.

2. Payment Enclosed:
 Check Credit Card Money Order Other

FEE CALCULATION (fees effective 10/01/03)

1. FILING FEE

| Large Entity Fee Code (\$) | Entity Fee | Small Entity Fee Code (\$) | Entity Fee | Fee Description | Fee Paid |
|----------------------------|------------|----------------------------|------------|------------------------|---------------|
| 1001 | 770 | 2001 | 385 | Utility filing fee | <u>385.00</u> |
| 1002 | 340 | 2002 | 170 | Design filing fee | |
| 1003 | 530 | 2003 | 265 | Plant filing fee | |
| 1004 | 770 | 2004 | 385 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$ 385.00)

2. CLAIMS

| Total Claims | 10 | -20= | Extra 0 | Fee from below x 18 | = | Fee Paid 0 |
|---------------------------|----|------|---------|---------------------|---|------------|
| Independent | 2 | -3= | 0 | x 86 | = | 0 |
| Claims | | | | | | |
| Multiple Dependent Claims | | | 0 | x 290 | = | 0 |

| Large Entity Fee Code (\$) | Entity Fee | Small Entity Fee Code (\$) | Entity Fee | Fee Description |
|----------------------------|------------|----------------------------|------------|---|
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim |
| 1204 | 86 | 2204 | 43 | Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0.00)

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Entity Fee | Small Entity Fee Code (\$) | Entity Fee | Fee Description | Fee Paid |
|----------------------------|------------|----------------------------|------------|--|----------|
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR | |
| 1805 | 1,840* | 1805 | 1,840* | Prior to Examiner action | |
| 1251 | 110 | 2251 | 55 | Requesting publication of SIR after Examiner action | |
| 1252 | 420 | 2252 | 210 | Extension for response within 1st month | |
| 1253 | 950 | 2253 | 475 | Extension for response within 2nd month | |
| 1254 | 1,480 | 2254 | 740 | Extension for response within 3rd month | |
| 1255 | 2,010 | 2255 | 1,005 | Extension for response within 4th month | |
| 1401 | 330 | 2401 | 165 | Extension for response within 5th month | |
| 1402 | 330 | 2402 | 165 | Notice of Appeal | |
| 1403 | 290 | 2403 | 145 | Filing a brief in support of an appeal | |
| 1451 | 1,510 | 1451 | 1,510 | Request for oral hearing | |
| 1452 | 110 | 2452 | 55 | Petition to institute a public use proceeding | |
| 1453 | 1,330 | 2453 | 665 | Petition to revive unavoidably abandoned application | |
| 1501 | 1,330 | 2501 | 665 | Petition to revive unintentionally abandoned application | |
| 1502 | 480 | 2502 | 240 | Utility issue fee (or reissue) | |
| 1503 | 640 | 2503 | 320 | Design issue fee | |
| 1460 | 130 | 1460 | 130 | Plant issue fee | |
| 1807 | 50 | 1807 | 50 | Petitions to the Commissioner | |
| 1806 | 180 | 1806 | 180 | Petitions related to provisional applications | |
| 8021 | 40 | 8021 | 40 | Submission of IDS | |
| 1809 | 770 | 2809 | 385 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 1810 | 770 | 2810 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1801 | 770 | 2801 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1802 | 900 | 1802 | 900 | Request for Continued Examination (RCE) | |
| | | | | Request for expedited examination of a design application | |

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) (\$ 40.00)

*Reduced by Basic Filing Fee paid

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name

Bruce H. Bernstein

Reg. Number

29,027

Signature

Date

12/2/03

Deposit Account User ID

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Gyu Ha CHOE

Applications Branch

Appln. No. : Not yet assigned

Filed : Concurrently herewith

For : SYSTEM AND METHOD FOR IMPLEMENTING SOLAR CELL

COVER LETTER REGARDING EXECUTED APPLICATION

Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

The undersigned points out that the executed application being filed herewith includes pages 1 - 3 of the executed declaration which were forwarded to the undersigned by Applicant's Korean representative on November 18, 2003, pages 1 - 25 of the specification which were forwarded to the undersigned by Applicant's Korean representative on November 10, 2003, and Figures 1 - 9 (10 sheets of drawings) which were forwarded to the undersigned by Applicant's Korean representative on December 2, 2003.

Applicant respectfully submits that the present application is properly executed and should be considered as filed in executed form. However, if the U.S. Patent and Trademark Office determines that the present application is not properly executed, Applicant respectfully requests that the present application be treated as an unexecuted application under 37 C.F.R. 1.53(f).

P24344.A01

Should there be any questions regarding this paper, please contact the undersigned at the below listed number.

Respectfully submitted,
Gyu Ha CHOE


Bruce H. Bernstein
Reg. No. 29,027

December 2, 2003
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